1.2	Inductive	Reasoning
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Scientists and mathematicians look for patterns and try to draw conclusions from them.

A <u>conjecture</u> is an unproven statement that is based on a pattern or observation.

Looking for patterns and making conjectures is part of a process called <u>inductive reasoning</u>.

Three stages of reasoning:

- 1. Look for a pattern
- 2. Make a conjecture
- 3. Verify the conjecture

Example 1: Complete the conjecture.

- A. The sum of any two odd numbers is _____.
- B. The product of any two odd numbers is ____.

C. The sum of the first n odd positive integers is ____.

